



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010593
CERTIFICATION DATE: November 7, 2013
DATE RECERTIFICATION DUE: May 6, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

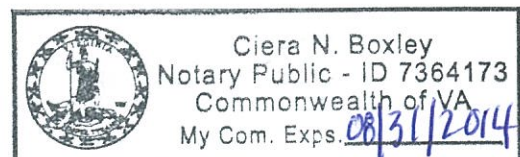
Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 18th day of November, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/8/2013

HMS

MSK

Instrument Serial Number: 010593

As of 08-Nov-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
07-Nov-13	07-Nov-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
22-May-13	22-May-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
04-Dec-12	04-Dec-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
14-Jun-12	14-Jun-12	HMS (18910)	REPLACED PRINTER RIBBON, CERTIFIED
22-Dec-11	22-Dec-11	TLN (25387)	CERTIFIED, REPLACED DRY GAS STANDARD.
14-Jul-11	14-Jul-11	MSK (21355)	CERTIFIED
11-Jul-11	02-Feb-11	HMS (18910)	SITE VISIT CONDUCTED.
20-Jun-11	02-Feb-11	HMS (18910)	REPLACED DRY GAS STANDARD.
02-Feb-11	02-Feb-11	HMS (18910)	CERTIFIED
17-Aug-10	17-Aug-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
23-Mar-10	23-Mar-10	HMS (18910)	CERTIFIED
08-Mar-10	08-Mar-10	HMS (18910)	CERTIFIED
29-Sep-09	29-Sep-09	HMS (18910)	CERTIFIED.
16-Apr-09	16-Apr-09	HMS (18910)	CERTIFIED.
03-Apr-09	03-Apr-09	MSK (21355)	UPGRADE FIRMWARE/SOFTWARE, CERTIFIED.
04-Feb-09	04-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II
Quality Assurance Worksheet

AMS
MSK

Instrument Serial Number **010593** Worksheet Start Date **11/7/2013**
Location **Fairfax County Mason Station**
Address **6507 Columbia Pike, Annandale, VA 22003**
DFS Technician **Heather Stanton** License No. **18910**
☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.
E-Seek
Keyboard
Printer
UPS

New serial no.

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50
2 pads

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010593

Certification Date 11/7/2013

Instrument Barometer (mm HG) 748

Reference Barometer (mm HG) 749

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.246	0.238	0.253	Sample 2	0.243
Precision		sample min	sample max	Sample 3	
0.001		0.242	0.243		0.242

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.148	0.143	0.152	Sample 2	0.146
Precision		sample min	sample max	Sample 3	
0.001		0.146	0.147		0.146

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.079	0.076	0.082	Sample 2	0.078
Precision		sample min	sample max	Sample 3	
0		0.078	0.078		0.078

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	
0		0.019	0.019		0.019

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG226201-17

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.098	0.095	0.101	Sample 2	0.099
Precision		sample min	sample max	Sample 3	
0.001		0.098	0.099		0.098

DFS Technician

Heath M. Stark

Date

11/8/13

Issuing Analyst

Melissa Kennedy

Date

11/12/13

Intox EC/IR II QA Worksheet
Issued by Calibration and Training Program Manager
Issue Date: 4-March-2013

DFS Document 250-F113
Revision 6
Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten initials: JMS and MSK

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/07/2013
TEST EQUIPMENT NUMBER 010593		

RESULTS: TIME SAMPLE TAKEN 10:08 EST
0.00
SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 07 Nov 2013 at 10:38

mmB
ANS
NSH

Test Results

Instrument Serial Number 010593

Test # 000786 Subject Test

Test Location 1 Department of
Test Date 07 Nov 2013

Test Location 2 Forensic Science
Test Time 10:02
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 07 Nov 2013 End Time 10:09

Result Time 10:08

Result Date 07 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:02

Data Type BLK

Sample Value 0.000

Sample Time 10:03

Data Type CHK

Sample Value 0.101

Sample Time 10:04

Data Type BLK

Sample Value 0.000

Sample Time 10:05

Data Type SUBJ

Sample Value 0.000

Sample Time 10:06

Data Type BLK

Sample Value 0.000

Sample Time 10:07

Data Type SUBJ

Sample Value 0.000

Sample Time 10:08

Data Type BLK

Sample Value 0.000

Sample Time 10:09

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG217702-27

Standard Expiration Date 06/25/2014

Tank Pressure 404

Barometric Pressure 748 mmHg

Blow Sample Number 1 Blow Duration 3.59 sec

Blow Volume 1753 cc End-of-Blow Time 10:06

Blow Sample Number 2 Blow Duration 3.64 sec

Blow Volume 1744 cc End-of-Blow Time 10:08

Tamper Evident Stamp a5c7af3a

Test Status Code 0

Test Status Success

Handwritten initials: KMS and MSK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010593 Test Number: 787

Test Date: 11/07/2013 Test Time: 10:11 EST

Dry Gas Target: 0.098

Lot Number: AG217702-27 Exp Date: 06/25/2014

Tank Pressure: 399 psi Barometric Pressure: 748 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:11
CHK	0.100	10:12
BLK	0.000	10:14
CHK	0.100	10:15
BLK	0.000	10:16
CHK	0.100	10:17

Test Status: *Success*

Calibration CRC: A29A0D63

AMS
msk

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010593 Test Number: 788

Test Date: 11/07/2013 Test Time: 10:20 EST

Dry Gas Target: 0.295

Lot Number: AG322702-01 Exp Date: 08/15/2015

Tank Pressure: 291 psi Barometric Pressure: 748 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:21
CHK	0.300	10:22
BLK	0.000	10:23
CHK	0.300	10:24
BLK	0.000	10:26
CHK	0.299	10:26

Test Status: *Success*

Calibration CRC: A29A0D63

Handwritten marks: "HMS" and "RSL" in the top right corner.

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010593

System Date: 11/07/2013

System Time: 10:48 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

HLB
MSL

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010593 Test Number: 789

Test Date: 11/07/2013 Test Time: 10:50 EST

Dry Gas Target: 0.098

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 605 psi Barometric Pressure: 748 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:51
CAL	0.098	10:51

Test Status: *Success*

Calibration CRC: 9160860F

HMS
NSL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010593 Test Number: 790
Test Date: 11/07/2013 Test Time: 10:54 EST

Technician Initials: HMS

Dry Gas Target: 0.246

Lot Number: 29612250I2-08 Exp Date: 11/01/2014

Tank Pressure: 355 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:54
BLK	0.000	10:55
CHK	0.243	10:56
BLK	0.000	10:57
CHK	0.243	10:58
BLK	0.000	11:00
CHK	0.242	11:00
BLK	0.000	11:02

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

LMD
WSH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010593 Test Number: 791
Test Date: 11/07/2013 Test Time: 11:03 EST

Technician Initials: HMS

Dry Gas Target: 0.148

Lot Number: 2951215012-02 Exp Date: 11/01/2014

Tank Pressure: 958 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:04
BLK	0.000	11:04
CHK	0.146	11:05
BLK	0.000	11:06
CHK	0.147	11:07
BLK	0.000	11:08
CHK	0.146	11:09
BLK	0.000	11:10

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

AMS
MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010593 Test Number: 792

Test Date: 11/07/2013 Test Time: 11:12 EST

Technician Initials: HMS

Dry Gas Target: 0.079

Lot Number: 0771308012-04 Exp Date: 05/01/2015

Tank Pressure: 938 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:12
BLK	0.000	11:13
CHK	0.078	11:14
BLK	0.000	11:15
CHK	0.078	11:16
BLK	0.000	11:17
CHK	0.078	11:18
BLK	0.000	11:19

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

AMS

MSA

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010593 Test Number: 793
Test Date: 11/07/2013 Test Time: 11:21 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 75 psi Barometric Pressure: 748 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:21
BLK	0.000	11:22
CHK	0.019	11:23
BLK	0.000	11:24
CHK	0.019	11:25
BLK	0.000	11:26
CHK	0.019	11:27
BLK	0.000	11:28

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMS

WSE

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010593 Test Number: 794

Test Date: 11/07/2013 Test Time: 11:31 EST

Dry Gas Target: 0.295

Lot Number: AG322702-01 Exp Date: 08/15/2015

Tank Pressure: 281 psi Barometric Pressure: 748 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:32
CHK	0.296	11:33
BLK	0.000	11:35
CHK	0.296	11:36
BLK	0.000	11:37
CHK	0.296	11:38

Test Status: *Success*

Calibration CRC: 9160860F

HNS
WHL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010593 Test Number: 795

Test Date: 11/07/2013 Test Time: 11:41 EST

Dry Gas Target: 0.098

Lot Number: AG226201-17 Exp Date: 09/18/2014

Tank Pressure: 571 psi Barometric Pressure: 748 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:42
CHK	0.099	11:43
BLK	0.000	11:44
CHK	0.098	11:45
BLK	0.000	11:46
CHK	0.098	11:47

Test Status: *Success*

Calibration CRC: 9160860F




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Amos
Wick

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/07/2013
TEST EQUIPMENT NUMBER 010593		

RESULTS: TIME SAMPLE TAKEN 11:55 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

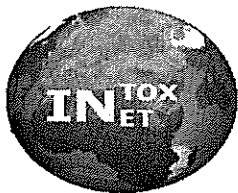
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 07 Nov 2013 at 15:59

AMS
NSK

Test Results

Instrument Serial Number 010593

Test # 000796 Subject Test

Test Location 1 Department of

Test Date 07 Nov 2013

Test Location 2 Forensic Science

Test Time 11:48

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

End Date 07 Nov 2013

End Time 11:56

Data Type DIAG

Data Type BLK

Data Type CHK

Data Type BLK

Data Type SUBJ

Data Type BLK

Data Type SUBJ

Data Type BLK

Standard Type Dry Gas Std

Standard Lot Number AG226201-17

Tank Pressure 561

Blow Sample Number 1

Blow Duration 3.55 sec

Blow Sample Number 2

Blow Duration 3.47 sec

Tamper Evident Stamp 7dec1b02

Test Status Success

Operator's First Name HEATHER

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Subject's First Name TEST

Driver's License Expiration 00/00/0000

Court Name DFS

Result Time 11:55

Sample Value Pass

Sample Value 0.000

Sample Value 0.098

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Result Date 07 Nov 2013

Result 0.00

Sample Time 11:49

Sample Time 11:50

Sample Time 11:50

Sample Time 11:52

Sample Time 11:52

Sample Time 11:53

Sample Time 11:55

Sample Time 11:56

Standard Value 0.098

Standard Expiration Date 09/18/2014

Barometric Pressure 748 mmHg

Blow Volume 1772 cc

End-of-Blow Time 11:52

Blow Volume 1758 cc

End-of-Blow Time 11:55

Test Status Code 0